



AWIC[®]

AMERICAN WALK IN COOLERS

THE ULTIMATE SOURCE FOR WALK-INS AND MORE!



*It's Baby,
cold inside...*

CALL 1-800-430-4468

WWW.AMERICANWALKINCOOLERS.COM



American Walk In Coolers will save you money and time on any walk-in cooler or freezer. Through value engineering, we ensure you're receiving competitive, prompt service with unsurpassed quality. We have professional employees and our dedication is reflected in our products.

American Walk In Coolers can direct ship to anywhere in the United States, Mexico and overseas. With our 15 to 21 day production schedule, your walk-in is on its way, reaching most United States locations within three days of completion. We provide our customers with specialized, personal assistance on the designing of your walk-in cooler or freezer. We will answer all your questions regarding refrigeration types and different applications that would best suit your cool storage needs. We can provide, design and build technical support of walk-in coolers and freezers for new commercial construction, and renovation of restaurants, convenience stores, liquor stores, flower shops, schools and more throughout the United States.

American Walk In Coolers also offers grow room chambers for hydroponic greenhouses, Class 1 Div.1 extraction labs -40f Freezers and cold rooms for commercial and private extraction and cultivation.

Customer Service

From your initial contact with American Walk In Coolers, our helpful and experienced staff will assist you with any questions or concerns you may have. Service doesn't stop after the sale, your AWIC representative will continue to be there to help.

100% Financing Available

Leasing and financing are as easy as one-two-three. Leasing conserves capital. It eases the strain on working capital by providing 100% financing and tax benefits. The cost of leasing is an operating expense, and is, therefore, tax deductible for the life of the lease. In most cases, tax benefits of a lease transaction are more beneficial to a company than an outright purchase. For more information on financial services offered, call or use our easy "Contact us" form at our website.

We are fully bonded, licensed, and insured and will provide you with a timely proposal on any and all of your walk-in storage needs. The staff at American Walk In Coolers look forward to working with you!

Our Process

The walk-in cold storage sales professionals at American Walk In Coolers are backed with over 49 years in the refrigeration, hospitality and foodservice industries. We are ready to discuss your project and prepare an accurate cost analysis of your walk-in cooler or freezer. Through value engineering, we insure you're receiving competitive, prompt service with unsurpassed quality.

For details on all our equipment lines, visit our website at www.americanwalkincoolers.com or call us direct at **800-430-4468**.

WWW.AMERICANWALKINCOOLERS.COM

Take Cooling Further

American Walk In Coolers has the solution

Our helpful and experienced staff are waiting to assist you at 1-800-430-4468



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The cold hard facts about our panels & insulation



National Sanitation Foundation



- The insulation's physical properties are certified by the Dow Chemical Company and it is inspected and approved by AWIC before becoming a finished panel.
- Dow's 50 year R-value warranty on its proven long-term thermal performance extruded polystyrene (XPS) foam insulation.
- Dow's precise control of parameters, such as density cell size and cell orientation, help maintain its physical properties and a consistent R-value over time.
- Hydrophobic characteristics and void-free structure of the foam insulation provide exceptional moisture resistance.
- Uniform density of insulation ensures a long lasting structural panel.
- Dow's XPS insulation's long-term thermal resistance extends the life of the refrigeration system.
- Corrosion resistant acrylic-coated galvalume metal skins - standard.
- AWIC unique packaging protects panels in transit and on site. It significantly saves on freight cost.

ALL ABOUT OUR WALK-IN



Storage walk-ins are the “workhorses” for every business. Quality 4” thick insulated panels exceed EISA energy standards and come standard with premium silver metal finish inside and outside at no extra charge. All wall panels quickly join together with quick-activated cam locks. An endless variety of standard or custom sizes are available. Panel length, depth and height can be easily modified to meet job site needs.

GENERAL SPECS

Standard walk-in panels are constructed of 4”, 5”, 6”, 8”, 10” or 12” thick prefabricated panels.

PANEL CONSTRUCTION

Panels consist of die-formed interior and exterior metal pans fastened to a perimeter of high-density extruded insulation and/or urethane foam hard rail frame for maximum structural strength. (EISA Compliance Title 111, section 312 approved.)

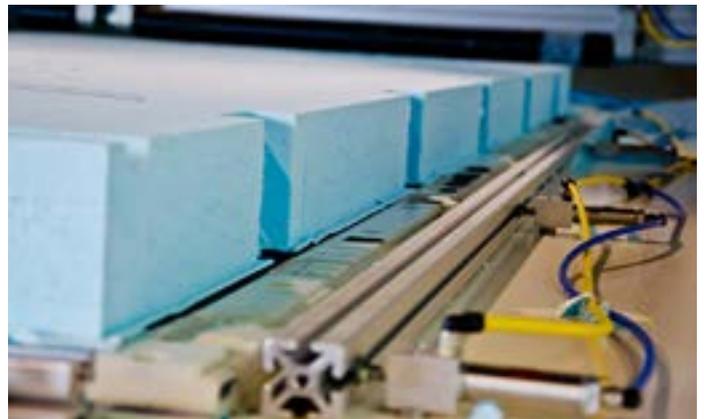
These rails come in three styles: tongue-and-groove cam-lock, flat cam-lock and sliplock designs to ensure joints are airtight and vapor proof. Panels are modular in design for quick field assembly and flexible future modification. Cam-lock fasteners are used to secure adjacent panels. These cam locks are lever acting with eccentric hooked locks and mating pins securely anchored

in the adjacent panel to assure the ease of alignment and positive seal. Cam-lock spacing will not exceed 48” on center. Access ports for cam-locks will be covered with snap-in cap plugs.



INSULATION

Foam used in the construction of the walk-in cooler/freezer is Authofroth which is listed with the Director of Certified Insulation Material, Department of Consumer Affairs under CA-T073 tested at UL with flame spread 20 and smoke 289. The flash temperature is 914° F and the self-ignition temperature is more than 968° F to ASTM 1929.



METALS AND FINISHES

Standard metal is 26-gauge bright white or silver stucco embossed galvanized steel interior and exterior. Minimum steel thickness is 0.019” with G-90 galvanized coating. Optional metal types include 26 Ga. painted stucco embossed galvanized steel with several colors to choose from, including embossed aluminum, .040 smooth aluminum painted, and 24 Ga. type 304 #4 finish stainless steel.

COOLERS & FREEZERS

LIGHTING

Each entrance door will include a vapor-proof light fixture (shipped loose) for mounting on the interior of the door section. The light fixture has a shatterproof globe cover (light bulb not included). When ordered, an optional one-way or three-way light switch with pilot light is available factory installed and will be flush-mounted on the exterior of the door section. All wiring within the door section, heater (if required), switch, and light fixture, is factory installed in conduit and terminates at a junction box above the door. Field connection by others is required for complete operation 120 volt, 60 cycle, 1-phase. All components are U.L. approved.



FLOOR CONSTRUCTION

If a floor is not required, an alignment channel is provided. The channel is designed to be anchored to masonry floors and to provide a template for wall panels.

When a floor is required, the floor panels will be 4" or 5" thick and constructed with metal bonded to 3/4" exterior grade plywood and then foamed-in-place. Standard floor finish is .040 smooth aluminum. Optional floor finishes are 22 Ga. smooth stainless steel type 304 #4 finish and aluminum diamond tread plate. Floors are NSF Certified and designed and manufactured to support uniformly distributed loads up to 700 pounds per square foot.



DOORS

A standard door will be in-fitting, flush design unless otherwise specified. The door edge will consist of a PVC perimeter into which the interior and exterior metal skins are secured and will create a thermal break between metal facings. The PVC frame includes a PVC bulb type compression gasket with magnetic steel core to maintain an airtight seal and to allow quick replacement as needed. Freezer doors have a concealed heated jamb and threshold heater, easily accessible for replacement or service. Heated pressure relief vent port will be provided on freezer applications. Cooler doors do not require a door heater. An NSF Certified 2 1/2" thermometer will be flush mounted on the door frame.

The door hinges will be heavy-duty cam-lift design in a bright chrome finish. Hinges have steel pins with nylon bushings and will be of sufficient size and number to support twice the weight of the door. The door latch will be made of similar materials and finish as the door hinges. The latch will incorporate an inside safety release that complies with OSHA standards. All doors will be self-closing without assistance when opened up to 90° and will remain open when opened more than 90°. The bottom of the door will have a flexible sweep.



ALL ABOUT OUR WALK-IN COOLERS & FREEZERS

OPTIONAL EQUIPMENT

View Window: Standard sizes are 14" x 14" and 14" x 24" triple pane glass with or without heater wire. Lighting can be added per request.



Temperature Alarm: The standard version is a high / low temperature and power failure alarm. A monitor with battery back-up and built-in recharging circuitry is also included.

- Field-adjustable high and low temperature alarm set points
- Field-selectable high and low temperature alarm display in °F or °C.
- Field-adjustable time delay
- Audible, visual and remote alarm notification
- Built-In power supply
- Surface or flush mount
- Probes with 25-foot leads included

Vinyl Strip Curtain: PVC flexible .060 vinyl 6" strips with 1" overlap for standard cooler and freezer door applications. NSF Certified slide-in aluminum mounting bar. Larger and thicker strips available for larger doors.

Enclosure Panel: Metal or material matching the exposed walk-in exterior can be provided to close off space between the box top and the ceiling with or without track; maximum 24" high without support.

Door Closer: Heavy duty steel construction with hydraulic or spring mechanism automatically brings door to full close position within 10° of closed position (included as standard equipment for boxes shipped to California location).

Doors: Sliding Doors, manual or electric, bi-parting, lift-up, and roll-up insulated doors are available. Oversize and custom door sizes are available.

Glass Doors and Stationary Glass Windows: Glass Door frames and stationary window frames are aluminum with 2 or 3 panes of glass. Medium temperature doors include door frame heaters. Low temperature doors have door frame and door heaters. Available with or without anti-sweat controller. Glass doors are self-closing with magnetic gaskets to provide a tight seal. Interior fluorescent lights and wire shelving are included when glass door package is purchased.

CEC Title 20 compliant doors and windows are available.

Outdoor Roof Membrane: Custom, prefabricated reinforced thermoplastic membrane is leak-proof, resistant to chemicals, fire and high winds; used with or without sloped foam insert.

Note: should be installed by authorized contractor.

Refrigeration: American Walk In Coolers is a supplier of a national brand of remote and self-contained indoor and outdoor condensing units with matching evaporator coils.

TESTING & APPROVALS

Electrical and refrigeration components are Underwriters Laboratories and National Sanitation Foundation Listed or Certified.

Panels Certified to NSF/ANSI Standard #7.

SGS US Testing Company, Inc. Report Number 740813-1

Flame spread and smoke developed per UL-723, ASTM E84-95b, ANSI/NFPA No. 255, and UBC No. 8-1.

Los Angeles Research Report Number 25314

National Sanitation Foundation (NSF) - Compliance with NSF standard #7 Component # N017217 Coolers/freezers, by the City of Los Angeles.

California Energy Commission (CEC) Title 20 compliant.

State of Oregon Manufacturer # M564 Insignia Registration Program

To promote continuous improvement, specifications are subject to change without notice.

SERIES E PERFORMANCE PANEL SYSTEM

REFRIGERATION MODEL R-448A @ 100° AMBIENT
SUPER SAVER COOLERS & FREEZERS. PICK YOUR SIZE!



Our Series EC & EF Coolers and Freezers are designed with flexibility in mind, serving all industry cold storage needs.

- Restaurants
- Floral
- Health Care
- Facilities Mortuary
- Convenience Stores
- Mini Marts
- Craft Breweries
- Cold Storage
- Grocery Stores
- Bars & Pubs
- Schools
- Hotels and Resorts

Standard Sizes

- 8' tall / 9' tall / 10' tall coolers and freezers
- Dozens of floor plans to choose from

Specifications

- Federal EISA Compliant
- Department of Energy Compliance Certified
- UL & NSF Approved
- All orders quick ship within 5 days

Finish: Interior and exterior 26-ga stucco-embossed galvalume

Panels:

- Multiple box heights: 8'-0", 9'-0", 10'-0" High OD
- Wall and ceiling panels exceed federal energy Independence & Security Act of 2007 (public law 110-140) Title III; section 312,
- All ceilings panels are lag-down
- Tongue-and-groove 9 lbs high density hard rails

Doors:

- 36" x 78" overlap type walk-in doors with cam-lift hinges & hydraulic door closer
- (2) hinges per door
- 36" diamond kick-plates front exterior
- Doors can be hinged left or right; door section can be changed with any 47" wall panel.

Standard Accessories included in price:

- Vinyl strip curtain
- 48" vapor proof LED light fixture, (1) per 100 square ft of room space
- Light switch / digital thermometer

Optional Accessories:

- Light switch with digital readout thermometer and temperature alarm
- Integrated interior ramp at freezer door

NOTE: Refrigeration equipment selections are based on 100°F ambient, 35°F holding cooler and 0°F holding freezer; no product pull-down. For other conditions or special application, contact American Walk In Coolers.

COOLERS ON THE GO



American Walk In Coolers provides convenient and easy to use walk-in coolers rental units for Tucson and surrounding areas. We offer customized rental solutions, as well as standard short and long term rentals.

We understand how crucial cold storage refrigeration is for temperature sensitive products in the hospitality industry. With the potential of thousand of dollars in inventory being lost due to refrigeration equipment failure, can mean lost money, closing the doors or more. By renting an AWIC mobile walk-in cooler we can help keep your products cold while your service tech makes needed repairs.

MOBILE WALK-IN COOLERS

- **Portable / mobile refrigeration cold storage**
- **From basic to custom designed, build to suit, or rental for that special event where extra cold storage is needed**
- **Daily or weekly rentals for catering, parties and events**

SHOW IT OFF WHILE YOU KEEP IT COOL



Endless Possibilities Available...

As new beverage products and new size packaging continue to be introduced, high-volume beverage walk-in coolers and freezers are a must. American Walk In Coolers modular-designed panel construction can modify the length, depth and height to adapt to any space. The unique cam-lock technology will make installation fast and inexpensive.

Our quality glass display doors with double and triple panes meet and exceed all Department of Energy requirements providing you with easy-swing glass display doors for your cooler, freezer or beer cave.

American Walk In Coolers offers Russell (Heat Transfer Product Group), a leader in the refrigeration industry, and other top of the line products. We design all jobs with oversized evaporator coil(s) to help reduce ice build-up for increased efficiency and dependability. All refrigeration packages offer a 5-year compressor and 1-year parts warranty.

Contact our highly skilled display cooler specialists for a quote detailing all costs (including freight). The quote will also include refrigeration equipment specifications, display door package details and box shop drawings. ***We make the process easy!***



THERE'S NO PLACE SO BIG WE CAN'T COOL



Cooler and Freezer Warehouses

Our insulated panels are a prefabricated modular construction design for fast and easy field assembly, relocation and future expansion with the addition of like panels.

Outdoor Walk-ins will include a heavy-duty one-piece membrane roof cap for protection against all weather conditions. Panels consist of interior and exterior metal skins precisely formed with steel dies and roll-forming equipment rigorously checked with gauges for precision. The metal skins are bonded firmly and permanently to the insulation. High-density panels have incredible flexural strength that eliminates the need for perimeter wood framing (old style construction) still used by some of our competitors.

- **Continuous line panels**
- **XPS /EPS insulation types**
- **4" to 12" thick panels**
- **USDA white finish**
- **Excellent structural capabilities**
- **Ideal for large storage projects**

Call 1-800-430-4468 for more details

GENERAL

Walk-in insulated panels are pre-fabricated modular construction designed for fast and easy field assembly, relocation, and future expansion by the addition of like panels. Outdoor walk-ins will include a heavy-duty, one-piece membrane roof cap for protection against all weather conditions.

PANEL CONSTRUCTION

Panels consist of interior and exterior metal skins precisely formed with steel dies and roll-forming equipment then thoroughly checked with gauges for accuracy. The metal skins are bonded tenaciously and permanently to the insulation. High-density panels have incredible flexural strength which eliminates the need for perimeter wood framing (old style construction) still used by some competition. To insure tight joints, all wall panels connect with positive cam-locking mechanisms.

INSULATION

We only use solid core approved foamed in place or extruded insulation. Minimum thickness is four inches which exceeds insulation (R-values) in Federal Energy Standard H.R.6 effective January 1st, 2009, for walk-in coolers and freezers.

Optional: 4", 5", 6", 8", 12" thick wall thickness available for required applications. Only environmentally friendly expansion agents are used in the manufacturing insulated cores. No energy robbing structural wood rails are used except where necessary for glass door and/or window attachment.



METAL FINISH

Standard: Smooth 26 ga. Galvanized silver

Optional: 24 & 22 ga. stainless steel

Optional: Other finishes and gauges available upon request

INSULATED FLOOR

Floor panel construction is similar to that described in Panel Construction section, but with a heavier gauge metal skin. Walking surfaces in open food approved boxes are stainless steel or aluminum. Galvanized metal is used in closed food applications. Insulated floor panels are designed to withstand uniformly distributed stationary floor loads up to 600 lbs. psf. Ask about information about heavier load requirements and when optional metal finishes are required.

PANEL FASTENERS

Panel fasteners are cam-action male and female profile. Panels are fastened to adjacent panels by inserting a hex wrench in small pre-drilled access ports on the male interior side. A clockwise turn of the wrench will activate a cam lever hook to catch a pin in the adjacent panel mechanism and draw the panels tightly together. Access ports are covered by press-fit plug buttons supplied with the panels.

DOOR PANEL ASSEMBLY

Door panel assembly includes UL Listed accessories either installed (whenever possible) or shipped loose. Construction and metal finish will match wall panels. Standard pre-hung entrance door includes the following features: Two cam-lift self-closing hinges for smooth operation with built-in hold open feature, cam-lift hinges allow for non-sweeping closure, door latch, Inside safety release, hydraulic door closure, magnetic gasket and thermometer. The bottom edge of walk-in door has an adjustable and replaceable wiper gasket. The door panel also includes a UL Listed vapor-proof interior lamp and junction box for 120v/60/1 phase A/C service (15 amp maximum). For freezer application, pressure relief port(s) will be provided. A variety of door options are available for special circumstances. Contact factory for details.

INSULATED SLIDING DOORS

A large variety of manual and electric insulated sliding doors are available for both medium and low temperature applications. Consult AWIC at 800-430-4468 for details.

REFRIGERATION SYSTEMS (OEM)

Original Equipment Manufacturer

A complete selection of medium and low temperature systems are available for indoor and outdoor applications. All fractional fan motors supplied shall be of EC (electronically commutated) or PSC (permanent split capacitor) style when available. Contact AWIC for proper selections and specifications.

THE BEST COOLERS MEAN THE FRESHEST FLOWERS



Designer Series IV - The Floral Industry's Choice

These coolers are excellent for bulk storage, party & banquet work and items pending delivery. Standard and custom sizes are available for indoor and outdoor use. Walk-ins can be adapted to a variety of locations; e.g. basement, outdoors on a cement slab/ wooden deck or inside your heated/unheated garage.

Floral Refrigeration System

"Surround Air" extends freshness by gently bathing flowers with generous humidity and uniform air temperature. Physical size (sq. inches of coil surface) of American Walk In Coolers evaporator coils are up to 117% larger than the competition. As cold air exits the coil, AWIC "face velocity" (FPM) is up to 62% lower than competition.

Each system includes: Condensing unit, evaporator coil and required refrigeration controls

Standard Construction Features

- PPS Performance Panel System
- 4" thick insulation; exceeds EISA energy standards
- 8' standard height; shorter / taller sizes available
- Silver metal finish int/ext
- 35½ W x 78" H UL approved entrance door with magnetic gasket
- Interior light pre-wired to exterior switch thermometer
- Easy cam-lock wall panel fasteners



GIVE YOUR BUDS A PLACE TO CHILL



Grow Rooms and Extraction Labs

Cultivation in precise conditions will maximize your crop yield and minimize energy use and expense.

Prefabricated to your specifications:

Grow rooms, processing rooms, C1/D1 extraction labs with modular cam-lock wall panel design for commercial or private cultivation. AWIC panels are quickly assembled and are rated at R-32. Grow rooms are designed to fit within your space constraints and precisely manufactured to fit your dimensions and specifications.

Our cam-lock panel system tightly fit, eliminating unwanted light or cross contamination from other sources. Light tight, moisture resistant, excellent insulation will help maintain consistent temperatures and humidity RH for superior crop growth, giving you the control for proper growing and blooming cycles.

Expandable for increasing growth possibilities:

As your needs grow so can the AWIC grow rooms, labs and chambers. Readily expandable, reconfigurable or relocatable, if needed.



WE WERE BUILT TO KEEP BEER COLD

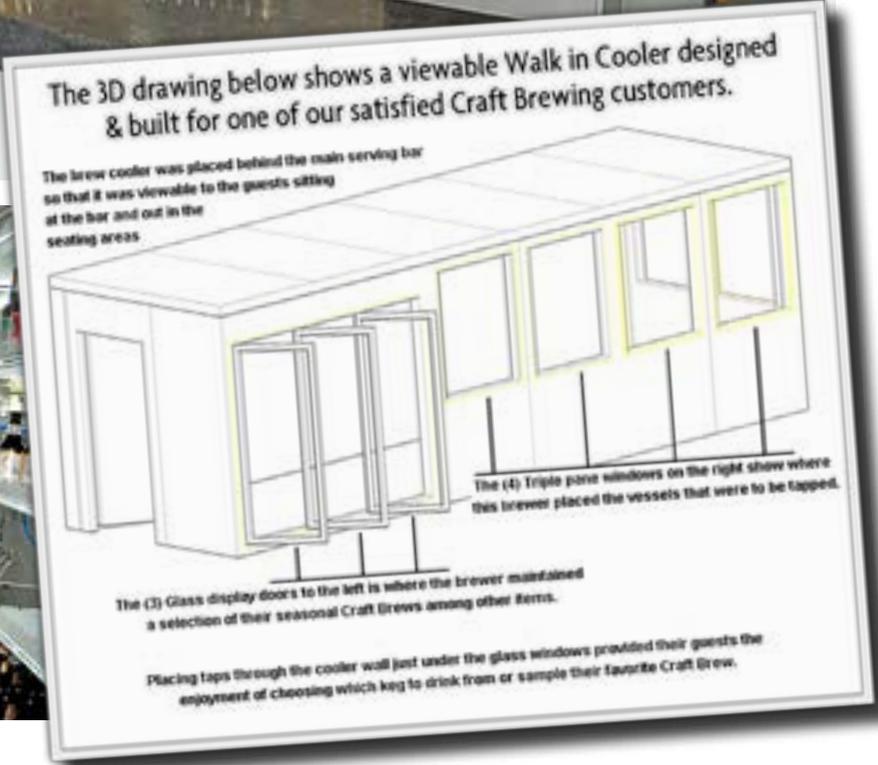


Unique Craft Brewery Solutions

American Walk In Coolers provides all of our craft brewery customers with specialized, personal assistance in the designing of walk-in fermentation coolers and warehouse keg storage. In addition, we can provide custom designed keg / tap display walk-in coolers and behind-the-bar style with glass windows and display doors.

Our experienced team of specialists will answer all of your questions on proper equipment sizing, refrigeration types, and various applications that will best suit your brewery. We also provide design/build technical support and installation. American Walk In Coolers will save you money and time on any walk-in cooler or freezer. Through value engineering, we ensure you are receiving competitive, prompt service with unsurpassed quality.





Our Clients

- Desert Monks Brewing (Gilbert, AZ)
- Lochiel Brewing (Mesa, AZ)
- Irene's Tap Room (Phoenix, AZ)
- Auburn Ale House (Auburn, CA)
- Santé Adairius Rustic Ales (Capitola, CA)
- Full Spectrum Bottling (Lake Elsinore, CA)
- Lake Tahoe Ale Worx (Lake Tahoe, CA)
- Indie Brewing (Los Angeles, CA)
- Los Angeles Ale Works (Los Angeles, CA)
- 7 Sisters Brewing (San Luis Obispo, CA)
- Port Town Brewing (San Pedro, CA)
- Blue Note Brewing (Woodland, CA)
- Jake's Bistro and Brew (Yucaipa, CA)
- Brew Caipa Brewing (Yucaipa, CA)
- Colorado Tap Room (Parker, CO)
- 3 Sons Brewing (Dania Beach, FL)
- Bulldog Saloon (Mentone, IN)
- Burn Em Brewing (Michigan City, IN)
- Backward Flag Brewing (Forked River, NJ)
- Flounder Brewing Co. (Hillsborough, NJ)
- Yellow Sun Brewing (Rutherfordton, NJ)
- Spider City Brewing (Bend, OR)
- 4th Tap Brewing Co-op (Austin, TX)
- Whistle Post Brewing Co. (Pilot Point, TX)
- Birds Fly South Ale (Greenville, SC)
- Blackbeard's Point Brewing (Hampton, VA)
- Metal Craft/Basic City Beer (Waynesboro, VA)
- Chainline Brewing (Kirkland, WA)
- Fair Isle Brewing (Seattle, WA)
- Skal Beer Hall (Seattle, WA)
- Level Crossing Brewing (Salt Lake City, UT)

A COOL PLACE TO REST IN THEIR FINAL JOURNEY



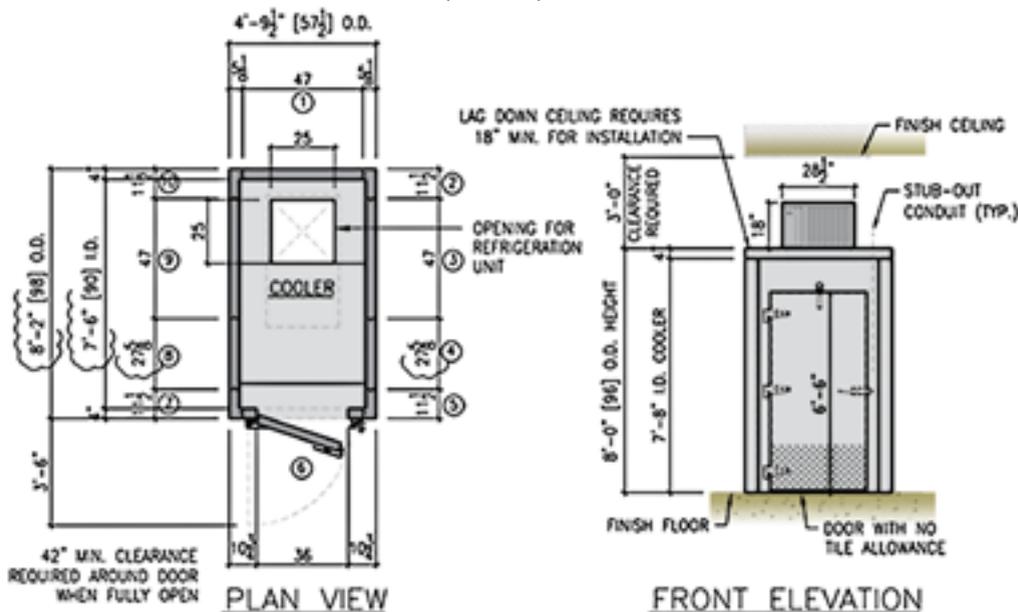
Mortuary Coolers

AWIC offers a full range of different types of storage coolers, from our slim style (3) tier with rolling rack style (shown below) to our larger cold chambers with oversized entrance doors. Speak to an AWIC sales person to get more details or information. Optional industry equipment is also available.

AWIC- MORTUARY WALK-IN STORAGE COOLER

(3-tier rolling body rack style)

Overall Dimensions: 57-1/2" X 8' X 8'H (no floor)



AWIC Cabinet Features

- 100% Made in the USA:
- Department of Energy Compliance Certified PPS (Performance Panel System) 4" No wood! High-density insulated cooler panels, UL-NSF approved / Smoke and flame spread per ASTM E84 testing
- 36"x76" UL approved "Super-Door" package (normal temp.)
- Vapor proof 48" LED light fixtures shipped loose
- UL approved energy saving vapor proof lamp pre-wired to exterior switch w/pilot light installed
- Bright digital temperature display
- 3 heavy duty chrome Kason hinges with additional self-actuating door closure
- Dart mount magnetic door seal gaskets for a firm tight door seal
- 0.063 Aluminum diamond tread kick plates on lower portion of door (exterior)
- Floorless, includes NSF cove base

EISA Compliance: All walk-in panels manufactured are compliant with the Federal Energy Independence & Security Act of 2007 (public law 110-140) Title III; section 312, regarding walk-in coolers and freezers.



Standard Features

RBH/RBO Models

- Low-cost Hermetic or quiet and efficient Scroll compressor
- All-weather galvanized steel painted housing
- Generously sized high efficiency condenser, enhanced copper tubes/aluminum fins
- Integral Liquid Subcooling Circuit provides subcooled liquid to the expansion device
- Base mounted shut-off valves placed external to cabinet for easy access
- Liquid line kit with filter/drier and sight glass with moisture indicator
- Suction line piping
- Larger electrical panel with hinged/removable door
- Color coded point-to-point wiring
- Refrigerant receiver with isolation valve and pressure relief plug
- Crankcase heater
- PSC condenser fan motor(s) with EC motor option
- Encapsulated high pressure (auto reset) and low pressure (auto reset) controls (adjustable low pressure control is standard on low temperature models)
- Electronic defrost timer with defrost contactor/relay on low temperature models (2 evaps. maximum)
- Electronic air defrost timer (Medium temperature models only)
- UL and CUL listed for indoor or outdoor use

RFH/RFO models also include flooded head pressure control as standard feature



Options

- Suction Accumulator
- Oil separator (may not be available with mounted accumulator)
- Thru-the-door fused disconnect for cabinet sizes FM2 through FM4
- External fused or non-fused disconnect - loose or mounted
- Heated and insulated receiver
- Oversized receiver
- Adjustable high/low pressure control
- Hose option for adjustable pressure control
- EC condenser motor
- Pump down toggle switch
- Liquid line solenoid (loose or mounted)
- Phase loss monitor
- Hail / Snow Guard - loose or mounted
- Paragon mechanical timer in lieu of electronic timer
- Timer shipped loose in enclosure
- CPC timer
- 316 Stainless steel housing
- 50 Hz timer and/or defrost kit



Easy access / removable control panel door
Color-coded and numbered point-to-point wiring for easy maintenance



Quick access to shut-off valves from exterior

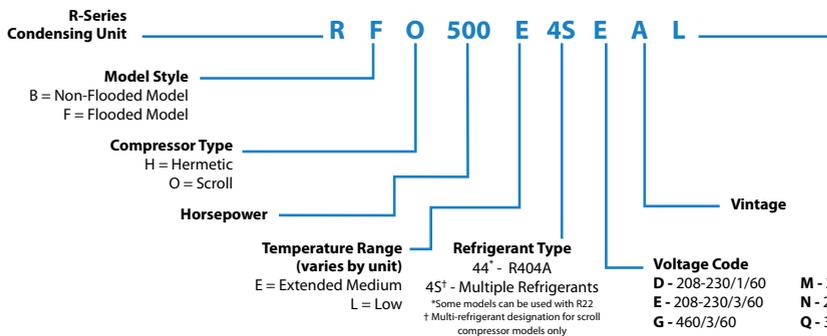


Replaceable core liquid and suction filters available as an option for 4 to 6 HP models

Features & Options

FEATURE	DESCRIPTION	NON-FLOODED MODELS		FLOODED MODELS	
		RBH	RBH	RFH	RFO
CABINET	All weather housing - Pre-painted gray	STANDARD		STANDARD	
	316 stainless steel	OPTIONAL		OPTIONAL	
	Hail / Snow guards - Loose or mounted	OPTIONAL		OPTIONAL	
	Large control panel for power and control circuits	STANDARD		STANDARD	
	Hinged / removable control panel door	STANDARD		STANDARD	
COMPRESSOR	Hermetic	STD	N/A	STD	N/A
	Scroll	N/A	STD	N/A	STD
ELECTRICAL	Crankcase heater	STANDARD		STANDARD	
	Compressor contactor (1Ø or 3Ø), start kit (1Ø)	STANDARD		STANDARD	
	Control transformer (460V - 230V) as required	STANDARD		STANDARD	
	**Encapsulated high and low pressure controls	STANDARD		STANDARD	
	Color coded wiring for maximum serviceability	STANDARD		STANDARD	
HIGH EFFICIENCY CONDENSER	Enhanced copper tubes, aluminum fins	STANDARD		STANDARD	
	High ambient coil	STANDARD		STANDARD	
	Integral subcooling unit	STANDARD		STANDARD	
	PSC fan motor(s) - overload protection	STANDARD		STANDARD	
	EC fan motor(s) - overload protection	OPTIONAL		OPTIONAL	
	Copper, polyester-coated fins or Electro Fin coated coil	OPTIONAL		OPTIONAL	
PIPING COMPONENTS	Base-mounted liquid and suction shut-off valves	STANDARD		STANDARD	
	Suction line (piping only)	STANDARD		STANDARD	
	Suction kit (piping and suction filter)	OPTIONAL		OPTIONAL	
	Suction line accumulator	OPTIONAL		OPTIONAL	
	*liquid line kit	STANDARD		STANDARD	
RECEIVER	Receiver isolation valve	STANDARD		STANDARD	
	Pressure relief plug	STANDARD		STANDARD	
	Oversized receiver	OPTIONAL		OPTIONAL	
LOW AMBIENT CONTROLS	Flooded head pressure control	N/A		STANDARD	
	Fan cycle (2 fan models only)	STANDARD		N/A	
DEFROST PROVISIONS	^Electronic air defrost time clock for medium temps	STANDARD		STANDARD	
	Mechanical defrost timer	OPTIONAL		OPTIONAL	
	50 Hz defrost timers with or without contactors	OPTIONAL		OPTIONAL	
	Surveillant family of electronic system controllers	OPTIONAL		OPTIONAL	
	Electric defrost	(1)		(1)	
TESTING	UL and C-UL listed	STANDARD		STANDARD	
	Hydrogen leak and dielectric tested before shipping	STANDARD		STANDARD	
	Dry nitrogen shipping charge (25 - 35 PSI)	STANDARD		STANDARD	

MODEL NUMBER NOMENCLATURE



STD - Standard Feature
N/A - Not Available

* Liquid line kit includes: piping, filter drier, sight glass/moisture indicator

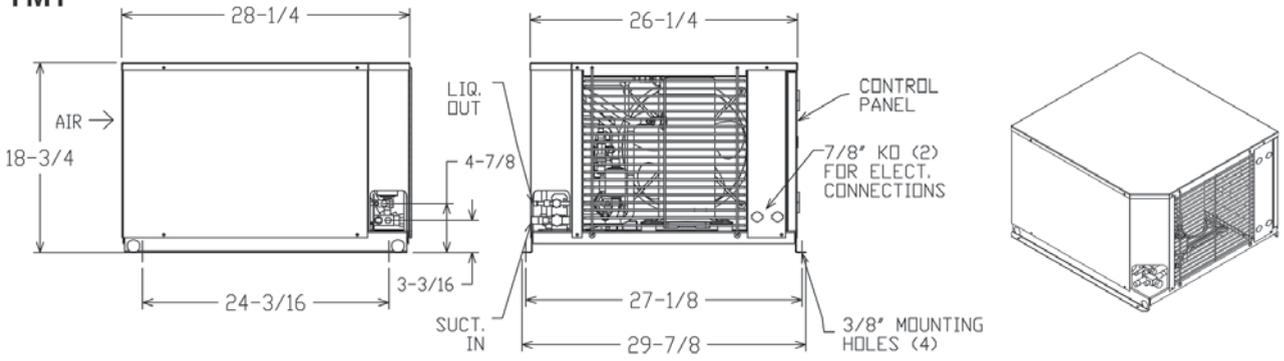
** Adjustable low pressure control on low temperature models in lieu of fixed control

^ Standard on extended medium temperature models only

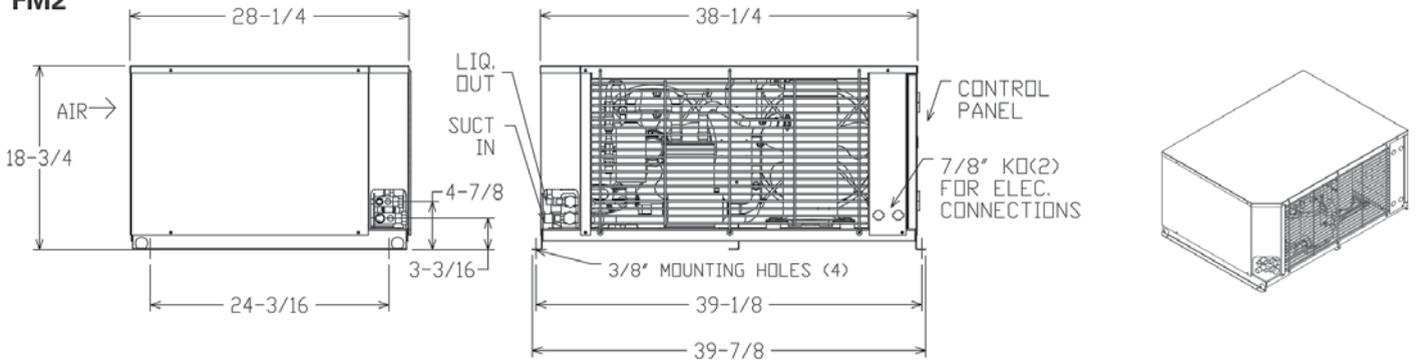
(1) Electric defrost kit is included on low temperature models and optional for medium temperature models

Physical Dimensions - All Models

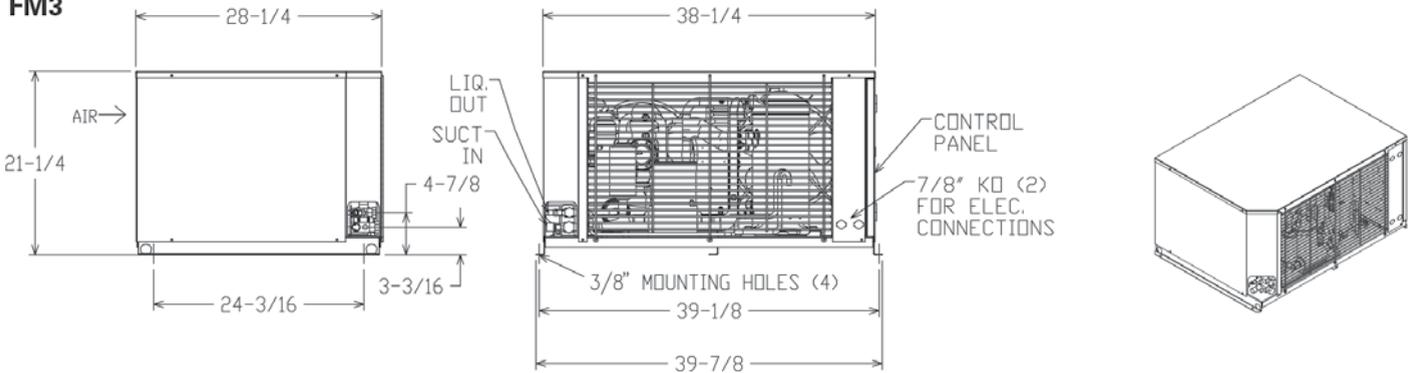
FM1



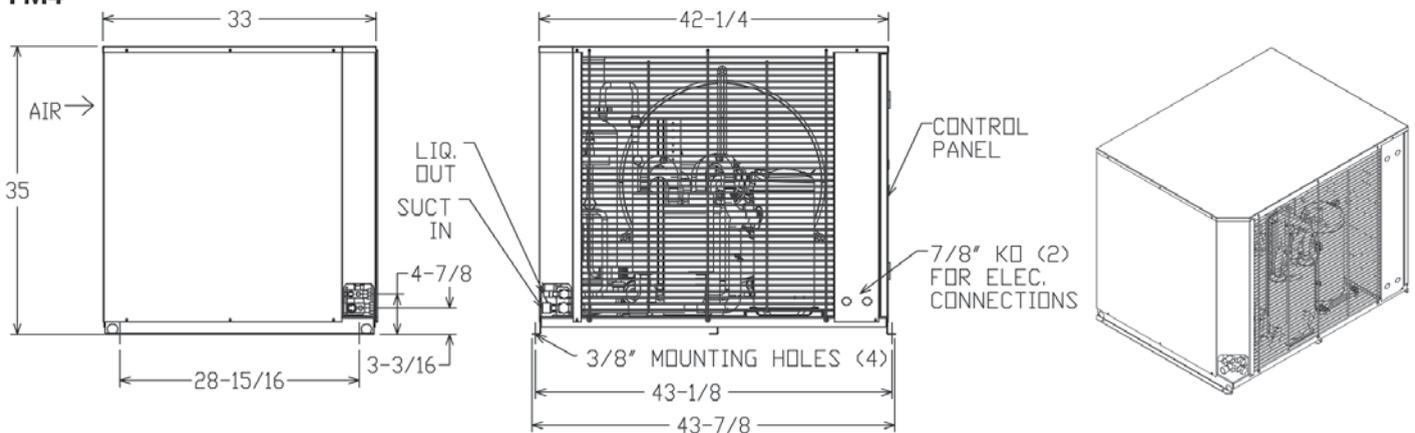
FM2



FM3



FM4





ECONET CONDENSING UNITS

EcoNet® Enabled Unit Coolers are electronically controlled evaporators designed for energy efficiency and easier installation



EcoNet® Enabled Unit Coolers

Standard Features

Efficient & Intelligent Control Unit Coolers

- Developed in conjunction with Rheem Manufacturing specifically for commercial refrigeration applications, it builds on the success, reliability and efficiency of Rheem's EcoNet technology.
- Saves energy by reducing fan speed to 50% during off cycle
- Maximizes energy efficiency with less compressor runtime
- Eliminates icing issues and unnecessary defrosts
- Improves product quality by reducing temperature fluctuations
- Can be used with a condensing unit with single and multiple evaporators as a group
- Available factory-installed on next-gen all-temp low profile unit coolers for quick shipment directly from finished goods warehouses with more models coming soon
- Optional EcoNet Command Center
- Intuitive graphical touchscreen interface controls up to 32 devices (including the Command Center) through one display
- Provides continuous communication between system components
- Remote mount display allows for EcoNet-enabled unit coolers to be programmed, monitored, and troubleshot outside of the space being cooled

Contact your local Russell sales representative or wholesaler for more information

Gold-winning Rheem Mfg. Co. spent three years researching and developing its next-generation EcoNet® Smart Thermostat, which builds off the company's extensive work in sensor technology that began in 2012. "Unique to the category, it is the only thermostat smart enough to optimize the performance of a home's HVAC and water heating appliances," said Carson Burrus, controls product manager at Rheem.



SMART TEMPERATURE CONTROL FOR WALK-IN COOLERS & FREEZERS



LOW PROFILE UNIT COOLER

Small to Medium Walk-Ins Coolers
and Freezer Applications

Air Defrost

3,900 to 39,000 BTUH

Electric Defrost

3,600 to 28,000 BTUH

Hot Gas Defrost

3,600 to 28,000 BTUH



Features

The Russell All-Temps are the original low profile unit coolers that established the industry standard as being the all-purpose design for walk-in coolers, freezers and other applications. The units feature an air draw-through design, easy access for serviceability, and are available in air, electric and hot gas defrost models.

SIZES: There are a wide array of sizes available with capacities ranging from 3,600 to 39,000 BTUH at a 10° TD spanning from 740 to 4,980 cfm. One through six fan models are available.

HOUSING: The embossed Aluminum casing is lightweight yet durable. Each fan section is baffled to prevent short cycling of the air. The unit is designed to mount flush to the ceiling and meets all NSF requirements. The top pan is slotted for simple installation. Drain fittings are installed in the bottom of the drain pan for easy field connection and the drain fitting can be quickly replaced without replacing the entire drain pan. The end panels can now be slid out from the front of the unit for easy serviceability from the front or end of the unit.

COIL: Copper hairpins are staggered and mechanically expanded into corrugated Aluminum fins and tube sheets to achieve maximum heat transfer. Die formed fin collars provide even fin spacing and are available in 4, 6 and 8 fins per inch. Sweat connections are standard on all models.

MOTORS: High efficiency single-speed and dual-speed Electronically Commutated (EC) motors are available in 115V and 208/230V. The dual-speed EC motors are compliant with California Title 24 regulations. Single speed PSC motors are available in 115V, 208/230V and 460V. All motors include thermal overload protection.

Configurations

Units are available as configurable (no mounted accessories) or pre-assembled with the most requested options installed for your convenience.

PRE-ASSEMBLY CODE¹:

- Blank = Configurable
- T = Factory mounted TXV
- L = Factory mounted TXV, Liq. Line Solenoid (LLS) and Mechanical T-Stat
- M = Master Configuration with mounted TXV, T-Stat, LLS and copper Tee

FANS: Heavy duty 12" Aluminum fans are balanced to provide vibration-free operation. Our low throw black plastic fan guards provide an optimal air pattern. The optional epoxy resin high throw fan guard moves air up to 25 feet.

OPTIONAL FEATURES

- Coated Aluminum fins (Russproof, ElectroFin², or Heresite²) or Copper fins
- Coated housing (same options as above)
- Epoxy resin high throw guards for up to 25 ft.
- Adjustable termination/ fan delay control*
- Insulated drain pan*

ELECTRICAL: Available in 115V, 208/230V and 460V. All components are factory wired to convenient screw-type terminal strips. A large compartment is supplied internal to the unit for all electrical components and is easily accessible by opening the slide out end panel. All models are UL and cUL listed and are available in 60 or 50 Hz.

AIR DEFROST: Air Defrost models (prefix "AA") are designed for use in coolers of 35°F and warmer. Complete air defrost systems for off-cycle or timed air defrost are available.

ELECTRIC DEFROST: Electric Defrost models (prefix "AE") are designed for use in coolers and freezers between 34°F to -20°F. Internal coil heaters provide rapid and efficient defrost. A lower heater is installed close to the drain pan for fast, reliable drainage. A defrost termination fan delay thermostat (DTFD) terminates the defrost cycle when the temperature is satisfied. The fan delay allows the warm coil to cool after a defrost cycle prior to the fans turning on. A heater safety thermostat is installed to prevent heaters from overheating above 75°F. Complete electric defrost refrigeration systems are available from Russell.

HOT GAS DEFROST: There are two types of Hot Gas Defrost models available: Hot Gas 3 Pipe (prefix "AH") and Hot Gas Reverse Cycle 2 Pipe (prefix "AG"). Hot Gas Defrost models are designed for use in coolers and freezers between 30°F to -20°F. All models include a fixed DTFD factory wired and a hot gas drain pan circuit to defrost the drain pan. On all Hot Gas models, the drain fitting is located on the left-hand rear of the unit when facing the fan guards. Complete Hot gas defrost refrigeration systems are available from Russell.

* These options require the units to be built as Revision B models.

1. Codes T, L and M are intended for units in finished goods inventory only. Call out separate options for units built with normal lead times.

2. ElectroFin and Heresite coatings are not NSF approved. NSF approval label will be removed from unit if ordered with these coatings.

ASLE SLIM-TEMP DISPLAY CASE COOLER

Specifically Designed for Use in Low Temperature Reach-In Display Cases

- ASLE 25-46 ASLE 45-94
- ASLE 25-58 ASLE 55-117
- ASLE 35-70 ASLE 65-150



Features

- All models require externally equalized Thermostatic Expansion valves.
- ASLE capacity ratings at -10°F evaporator temperature.
- All Aluminum low silhouette housing.
- Fan motors are totally enclosed, permanently lubricated and thermally protected.
- Electrical connection made at internal terminal blocks located at end opposite refrigerant connections.
- UL & cUL listed. NSF approved.

MODEL NUMBER	BTUH 10° TD	FAN MOTORS	CFM	SHADED POLE MOTOR AMPS 230V /1	EC MOTOR AMPS 230V/1	DEFROST 230V/1		CONNECTIONS		DIMENSIONS*		SHIP WT (LBS)
						WATTS	AMPS	LIQUID	SUCTION	A	W	
ASLE 25-46	4,600	2-16 watt	950	1.1	0.58	1,300	5.7	1/2FN	7/8 ODS	1/2FN	46-3/16	83
ASLE 25-58	5,800	2-16 watt	1,000	1.1	0.58	1,970	8.6	1/2FN	7/8 ODS	1/2FN	56-3/16	105
ASLE 35-70	7,000	3-16 watt	1,425	1.7	0.87	1,850	8.1	1/2FN	7/8 ODS	1/2FN	69-3/16	125
ASLE 45-94	9,400	4-16 watt	1,900	2.2	1.16	2,400	10.5	1/2FN	1-1/8 ODS	1/2FN	92-3/16	151
ASLE 55-117	11,700	5-16 watt	2,375	2.8	1.45	3,000	13.1	1/2FN	1-1/8 ODS	1/2FN	115-3/16	185
ASLE 65-150	15,000	6-16 watt	2,850	3.3	1.74	3,500	15.2	1/2FN	1-1/8 ODS	1/2FN	138-3/16	222



- Brighter
- Energy Efficient
- Less Glare
- Longer Lasting
- Reduced Maintenance

ECO SERIES DOOR

ECOLOGically Engineered for a Green Planet!

The Eco door with the most advanced technology available is engineered to bring you the most energy efficient door on the market today. With the features listed below you can see why the ECO door is designed with a Green Planet in mind.

FEATURES

The ECO door incorporates a 2-pane Low E gas filled glass package with a non heated door frame rail for an Energy Free EISA compliant cooler door. Designed with low wattage frame heaters, superior insulated frame construction and a Low Voltage, Low Wattage LED lighting system CDS delivers the most energy efficient brilliantly lit customer friendly door available.

CDS DOORS WITH HI-DEF LED LIGHTING

Increase your sales with the exclusive CDS Hi-Def LED lighting system designed with an anti glare guard for the mullion cover that completely hides the entire LED fixture providing a view from the side with no glare from an exposed florescent lamp and makes your products jump off the shelf.

FREE LIGHTING

To see how fast these lights will pay for themselves ask a sales associate today to compare the cost of operation between the traditional florescent lighting and the exclusive LED technology offered by CDS.

STANDARD FEATURES

All the quality components found on the rest of the CDS doors are designed into the ECO door. The Kwik Level, Kwik Torque, Kwik Lock hold open system, triple seal gasket, and the triple bearing hinge pin give you the quality and dependability you have come to expect from a CDS manufactured product.

LED Lighting vs. Florescent Lighting





ADVANTAGE SERIES

The Enhanced Details are the Advantage Difference!

The Advantage Series door provides elegant styling for the upscale store environment. With all the features of our Legacy Series doors including the Kwik Torque™, Kwik Level™, Triple Bearing top hinge pin, Triple Seal Door Gasket, and the most innovative Hold Open System™ on the market today. The Advantage difference is in the RLS (Refracted lighting System), complete reversibility a flat mullion design, Energy-Free Cooler Door, and an extra measure of insulation for the frame and door.

EXCLUSIVE KWIK LOCK™ HOLD OPEN & KWIK TORQUE™ SYSTEM

Holds the door open at a full 90° angle. Simply pull the door to a 90° angle and it smoothly locks in place. Release the door by pushing lightly for a quick air tight seal.



RLS LIGHTING SYSTEM

With its unique design this lighting system increases the amount of light at the center of the shelf. The T-8 lighting and electronic ballast bring to life the vibrant colors on all your packaged product.



ADVANTAGE SERIES DOOR PLUG

For heated door applications. This is the smallest profile available. The unique plug design and flat mullion allow this door to be easily reversed in the field.



- Triple Bearing Top Hinge Pin
- Kwik Torque™ Closure Adjustment
- Kwik Level™ Door Alignment
- Triple Seal Gasket
- Positive Hold Open Lock
- Field Reversible





LEGACY SERIES DOOR

Styling And Performance Make All The Difference!

With over 50 years of hands-on experience comes the finest quality door on the market with features that put the Legacy Series door in a class of its own.

FEATURES

This unique design includes a hinge system which opens the door away from the frame to reduce the possibility of fingers being pinched between the frame and the door.

HINGE SYSTEM

Super strong machined aluminum triple bearing top Hinge Pin reduces friction increasing the life of the hinge system.



EXCLUSIVE KWIK LEVEL™ DOOR ALIGNMENT SYSTEM

Placed at the top of the door for simple and easy adjusting from one door to the next.

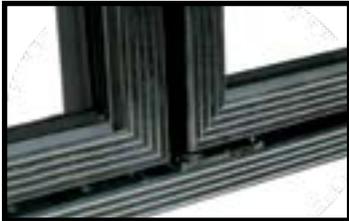


LIGHTING SYSTEM

T-8 lighting with electronic ballast provides superior light.

“T” MULLION DESIGN

The T mullion design of the Legacy Series doors assures strength and support for the Walk-in box header panels.



KWIK TORQUE™ DOOR ADJUSTMENT

This unique design makes adjusting tension a snap. Just 3 to 4 clicks and the door shuts and seals with ease.



- Brighter
- Energy Efficient
- Less Glare
- Longer Lasting
- Reduced Maintenance



KICK PLATE
10" diamond-plate kick plate, in & out

THE CAVE DOOR

The Cave Double Swing Walk Thru Door (HDW)

There is no other door manufactured today that compares to the heavy duty construction of the CDS Cave Door. Designed for high volume, high traffic Beer Cave applications the superior Heavy Duty construction will stand up in the toughest environments. Whether it is the delivery driver slamming into the door with his 2 wheeler or the customer ramming the door with a shopping cart the CDS Heavy Duty Cave door is engineered to take the beating and perform like the day it was first installed.

The Cave Double Swing Walk Thru Door (double acting) Features:

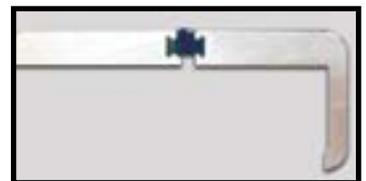
- Energy-free door and Frame
- Single and double door construction
- 3/8" aluminum frame construction with thermal break
- 3-1/2" frame depth
- 3-1/2" door thickness with thermal break
- Double seal
- Black or silver finishes
- 24" x 62" double-pane window
- Push bar with rubber inserts, in & out



HEAVY DUTY HINGES
Heavy duty composite and stainless steel hinges



GLASS
24" x 62" double-pane window



FRAME PROFILE
3/8" aluminum frame construction with thermal break





SHELVING / FINISHES

Features to Meet Your Needs!

The exclusive CDS shelving design provides a full width shelf, which gives you increased product facings and storage. The bow truss system eliminates shelf sag making the CDS shelf the strongest shelving system on the market.



• **PVC Sliders**
For normal temp applications.



• **Aluminum View Windows**
Heated & non-heated.



• **Optional Handles**
Choose from a variety of handles to match your decor.



• **Standard Finishes**
Six to choose.

Smooth & Serrated Silver & Gold, Black, Satin Silver



• **Shelving Accessories**

Side, front & rear product stops



• **Posts**

The narrow design makes the posts virtually invisible.



• **Entrance Door**
Available in all glass, solid panel or 1/3 - 2/3 glass/solid panel designs. Available with roll-away beverage rack.



• **Flat Shelves**

Full shelf width for maximum product facings & storage.



• **Extended Front Shelf**

Extended front on bottom makes 12 & 18 packs more accessible.



• **Corner Shelves**

Extends around corner doors for maximum display and well supported.



• **Vertical Can & Bottle Shelf**

Excellent for merchandising individual loose cans or bottles.



• **Baskets**

Ideal for bulky items or mass displays.

• **Dell Boards w/Baskets or Hooks**



COOLER LIGHTING

LED Light Fixtures for Walk-In Coolers and High Ceiling Applications



Double-Tri Proof Light / Vapor Light

Features

- Vapor, dust, water and corrosion proof
- High efficiency up to 120lm/W
- 0-10V dimmable internal driver
- Aluminum heat sink inside, whole PC outside
- Low UGR PC lens design
- Over 50,000 hours lifetime, 5-year warranty
- UL approved

Applications

Vapor tight is mainly used in places with bad environment, such as cold storage warehouses, walk-in coolers or freezers, floral coolers, display coolers and more.

Model #	Size	Wattage	Efficiency	Color Temp	CRI	IP Rating
TRAA192N40D	1272*86*80mm	40W	110lm/W	5000K	>80	IP65
TRAA288N40D	1272*118*80mm	40W	120lm/W	5000K	>80	IP 65





WAREHOUSE LIGHTING

**EZ-LED Round UFO High Bay Light
Replaces up to 400W PSMH**



LED UFO High Bay / Vapor Proof Light

Features

- High efficiency up to 140lm/W
- 1-10V dimmable driver is optional
- Fashionable UFO design
- IP65 for wet location
- Various of beam angle are available: 60°,90°,120°
- Over 50,000 hours lifetime, 3-year warranty

Applications

With high power and high efficiency, high bay is widely used in places where the roof is very high, such as warehouses, garages, parking lots, walk-in coolers, factories, etc.

Model #	Size	Wattage	Efficiency	Color Temp	CRI	IP Rating
HB154X100RS	Φ280*165mm	100W	130lm/W	5000K	>80	IP65
HB245X150RM	Φ340*169mm	150W	130lm/W	5000K	>80	IP 65
HB360X200RL	Φ400*185mm	200W	130lm/W	5000K	>80	IP65





#1245

PACKAGING:
3 pair per carton

WEIGHT:
Approx. 18 lbs. (8.2 kg)
per carton



#1246

PACKAGING:
3 pair per carton

WEIGHT:
Approx. 12 lbs. (5.4 kg)
per carton

Features

- Specifically Industry standard self-closing cam-rise hinges
- Door opens with minimum effort
- Strong self-lubricating nylon can delivers smooth, trouble-free door operation
- Cam-rise action reduces gasket wear, even with irregular floors
- Built-in dwell holds door open beyond 90°
- Doors lift off without disassembly or removing hinges
- Simple manual operation reverse hinges for use on right or left-opening door

Specifications

MATERIAL:

High pressure die-cast zinc with self-lubricating nylon cam

FINISH:

See ordering information. Powder coating finishes available for severe environmental applications

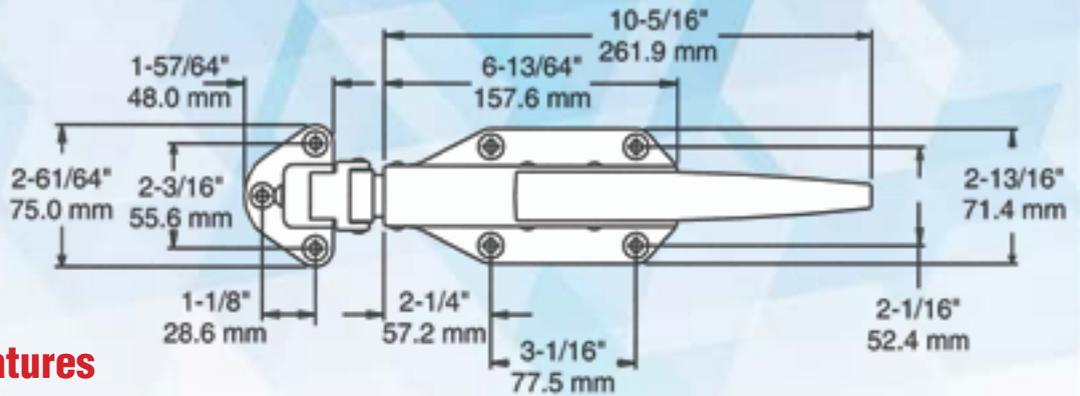
OFFSETS:

See ordering information

MOUNTING:

Drilled and countersunk for 1/4" (6.0 mm) flat head screws

Kason 77 Rolling Radial Safeguard Latches



Features

- For lighter weight foam doors
- Radial tongue combined with a roller strike for easier closing and smoothest opening walk-in doors
- Releases with minimum pressure or pull from outside or foam inside with Kason inside release handle
- Mate with Kason door closer for effortless closure
- Adjustable strike assures exact door alignment
- Padlocking provision standard on all models

Specifications

MATERIAL:

High pressure die-cast zinc

FINISH:

Polished chrome models listed. Also available in brushed chrome, Tuffkote or powder coated for severe environmental applications

OFFSETS:

See ordering information

MOUNTING:

Holes drilled and countersunk 1/4" (6.0 mm) flat head screws

PACKAGING:

6 per carton

WEIGHT:

Approx. 24 lbs. (11.3 kg) per carton

Models

Model No.	Description	Offsets
0077CH0004C	Cylinder locking, heavy spring	-1/8" to 1/4" (+3.2 to 6.4 mm)
0077CH0008C	Cylinder locking, heavy spring	3/4" to 1-1/2" (19.0 to 38.1 mm)
0077CH00012C	Cylinder locking, heavy spring	1-3/4" to 2-1/2" (44.5 to 63.5 mm)
0077CL0004C	Cylinder locking, light spring	-1/8" to 1/4" (+3.2 to 6.4 mm)
0077CL0008C	Cylinder locking, light spring	3/4" to 1-1/2" (19.0 to 38.1 mm)
0077CL00012C	Cylinder locking, light spring	1-3/4" to 2-1/2" (44.5 to 63.5 mm)
0077CL0026C	Body Assembly for No. 77C latch	
0077H00004C	Latch, heavy spring	-1/8" to 1/4" (+3.2 to 6.4 mm)
0077H00008C	Latch, heavy spring	3/4" to 1-1/2" (19.0 to 38.1 mm)
0077H000012C	Latch, heavy spring	1-3/4" to 2-1/2" (44.5 to 63.5 mm)
0077L00004C	Latch, light spring	-1/8" to 1/4" (+3.2 to 6.4 mm)
0077L00008C	Latch, light spring	3/4" to 1-1/2" (19.0 to 38.1 mm)
0077L000012C	Latch, light spring	1-3/4" to 2-1/2" (44.5 to 63.5 mm)
0077L000026C	Body Assembly for No. 77 latch	

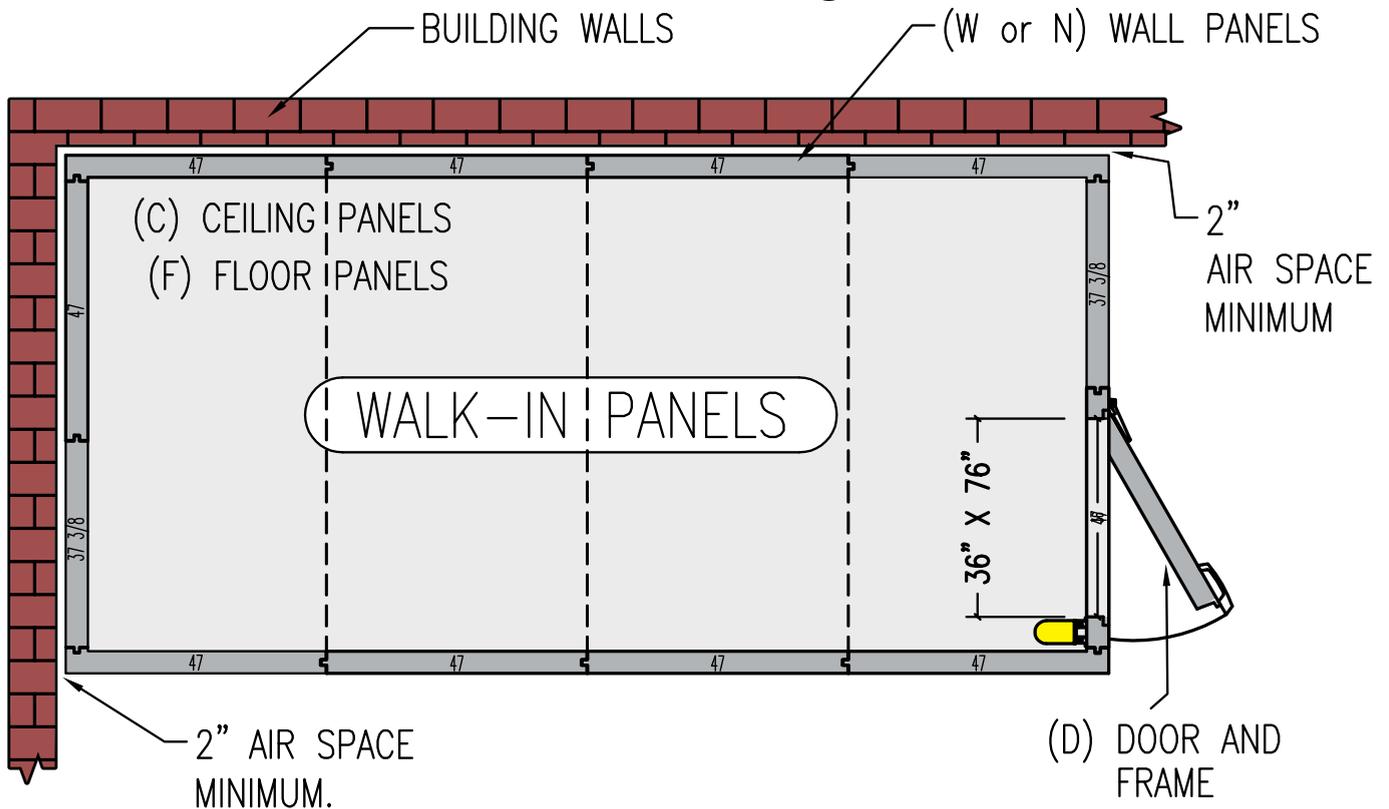
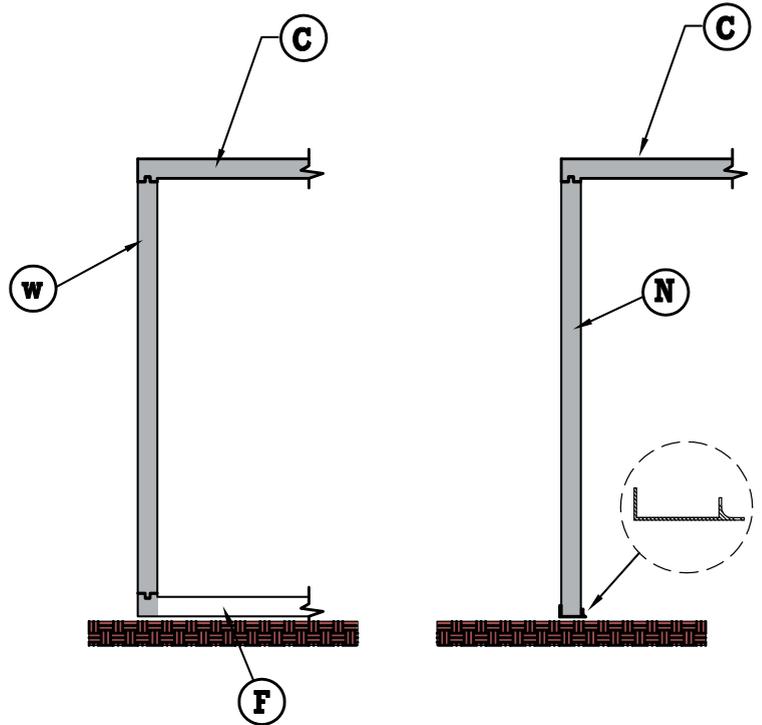
NOTE: Cylinder locking latches may be keyed alike or differently, 5 key changes available.

INSTALLATION

Having a successful installation begins with having a level concrete floor. If the floor is not level, it will be necessary to install shims under each floor panel cam-lock. If walk-in **does not** have floor panels, a vinyl screed must be installed under the wall panels.

A minimum of 2" clearance between existing building walls and walk-in is necessary for proper air circulation.

- W** - Wall panels with floor
- N** - Wall panels without floor
- C** - Ceiling panels
- F** - Floor panel
- D** - Door and door frame
- H** - Header panels
- T** - Top header on glass doors
- B** - Bottom sill on glass doors



WALK-IN INSTALLATION WITH FLOOR



1. Set the floor panels according to the setup drawing. All panels have labels and are identified in the shop drawing.
2. Make sure that all floor panels are level. If not, the use of shims under cam-locks of the floor panel (around the outside edge) is suggested to level floor panels.
3. After all floor panels are level, firmly and securely lock all floor panels together with a hex wrench. Turn it clockwise approximately 3/4 turn and repeat until all floor panels are securely locked together.



4. Begin with two corner panels and secure to floor panels to start making a corner. Make sure that the top of each wall panel is flush with each other.



5. Select next adjacent wall panel(s) towards opposite corner of same floor panel.



6. Finish corner by installing ceiling panel and continue assembling in corresponding floor/walls/ceiling in "rings."



NOTE: Do not remove door from frame

7. Door frame must be level with adjacent and flush (on top) with adjacent wall panels. Measure the top and bottom of the door opening to make sure both measurements are the same.



8. Repeat steps 4 and 5.



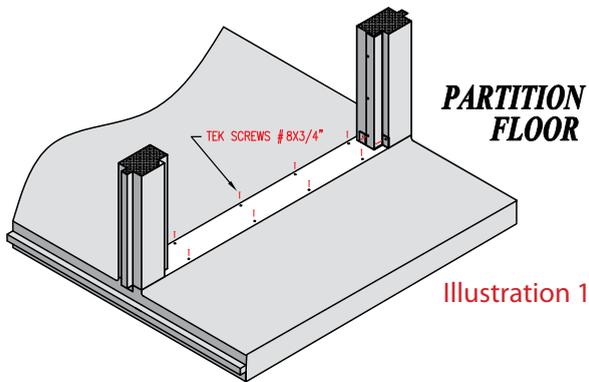
9. Install the last ceiling panel to close the box.



10. Cover wrench holes with plastic buttons.



11. Installation complete!



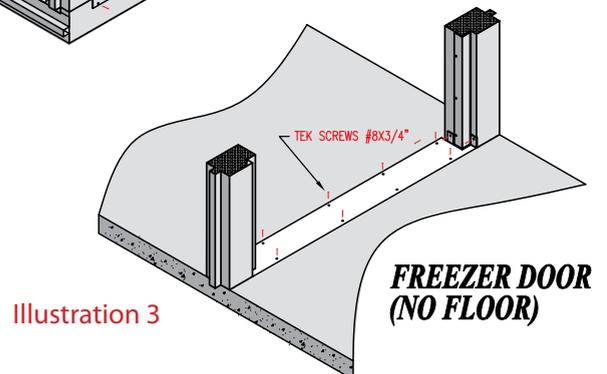
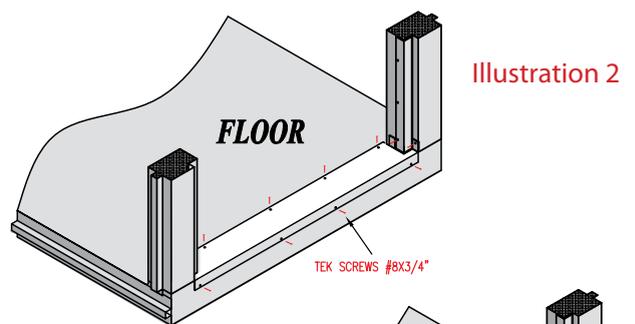
SECURING DOOR SILL PLATE (THRESHOLD) TO FLOOR

Across the bottom of each door opening is a stainless steel threshold.

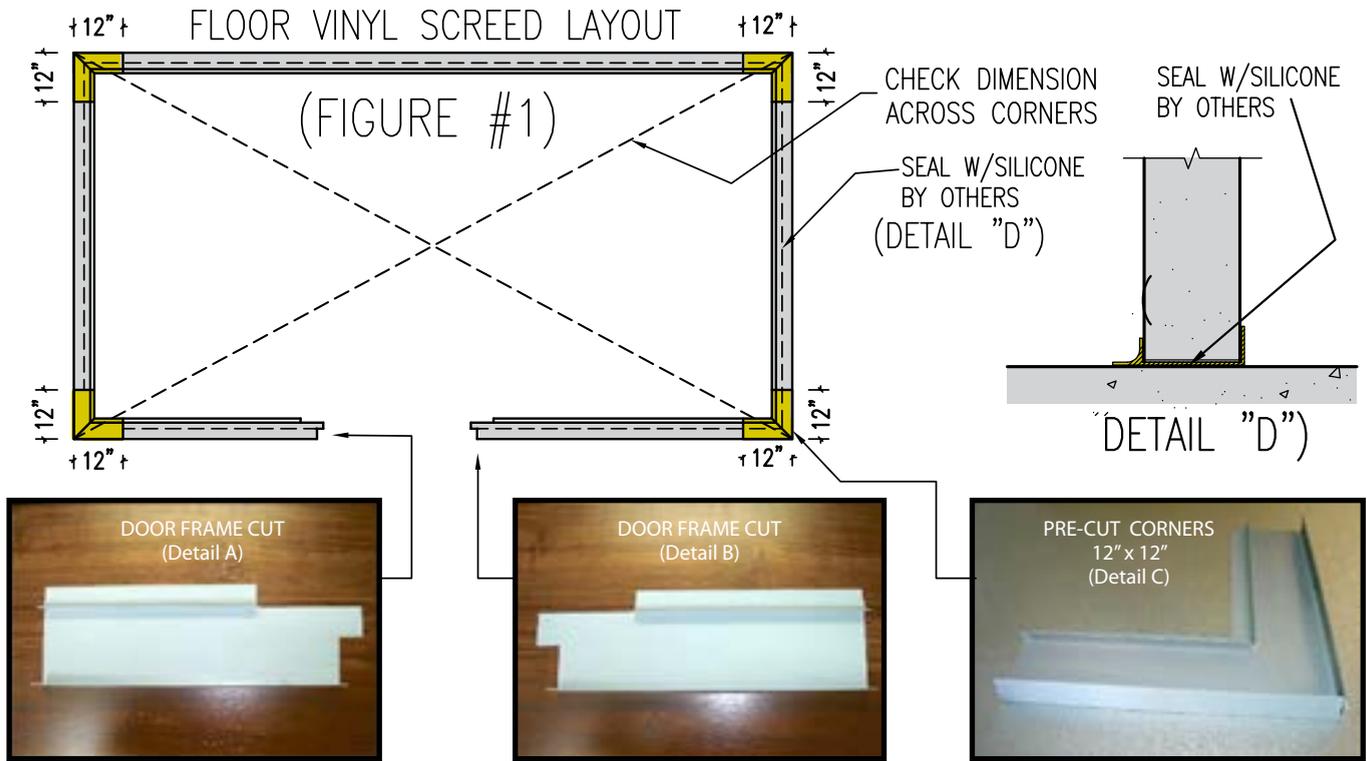
Install threshold and drill 1/16" diameter holes through pre-drilled holes in threshold plate.

Secure with stainless steel flat head screws provided in the hardware kit. (See illustration 1 - 3)

NOTE: Cooler with no floor will not have a threshold.



WALK-IN INSTALLATION WITH NO FLOOR



1. Use a chalk line to mark the installation area to the dimensions of the walk-in as shown Figure #1 (above). Measure diagonally from corner to corner to be sure the floor vinyl screed is square.
2. Apply a bead of silicone along the bottom of the vinyl screed. Then place the vinyl screed along the chalk lines. **NOTE: Leave the vinyl screed loose until the walk-in is assembled. See Figure #2 on next page for details.**
3. Seal both the inside and outside edges of the wall panels with silicone.
4. Align and secure two corner panels to make your first corner.



5. Position next joining panel to form opposite walk-in corner.



6. Install shims under vinyl screed corners and across as needed to ensure panel joint support and levelness of panels.



7. Begin at one corner of the walk-in, position roof panels and lock them to adjacent wall panels. Continue assembling in "rings".

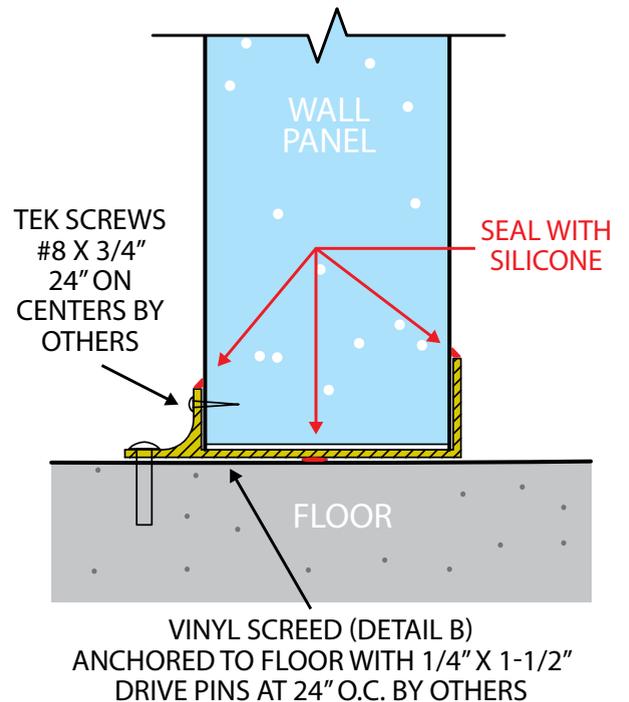


8. Make sure that the top of each wall panel is flush with one another.

9. Once the entire walk-in is assembled, secure the vinyl screed to the floor by using a 1/4" pin-grip under all walls and floor frame legs.

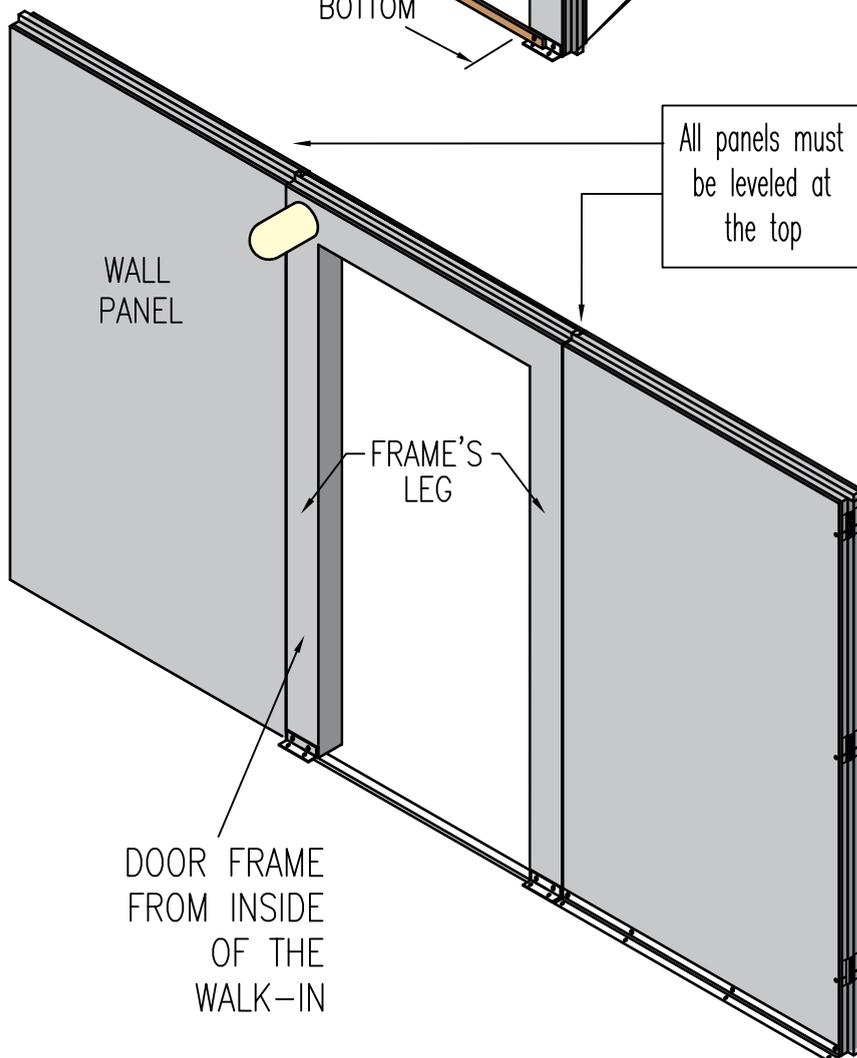
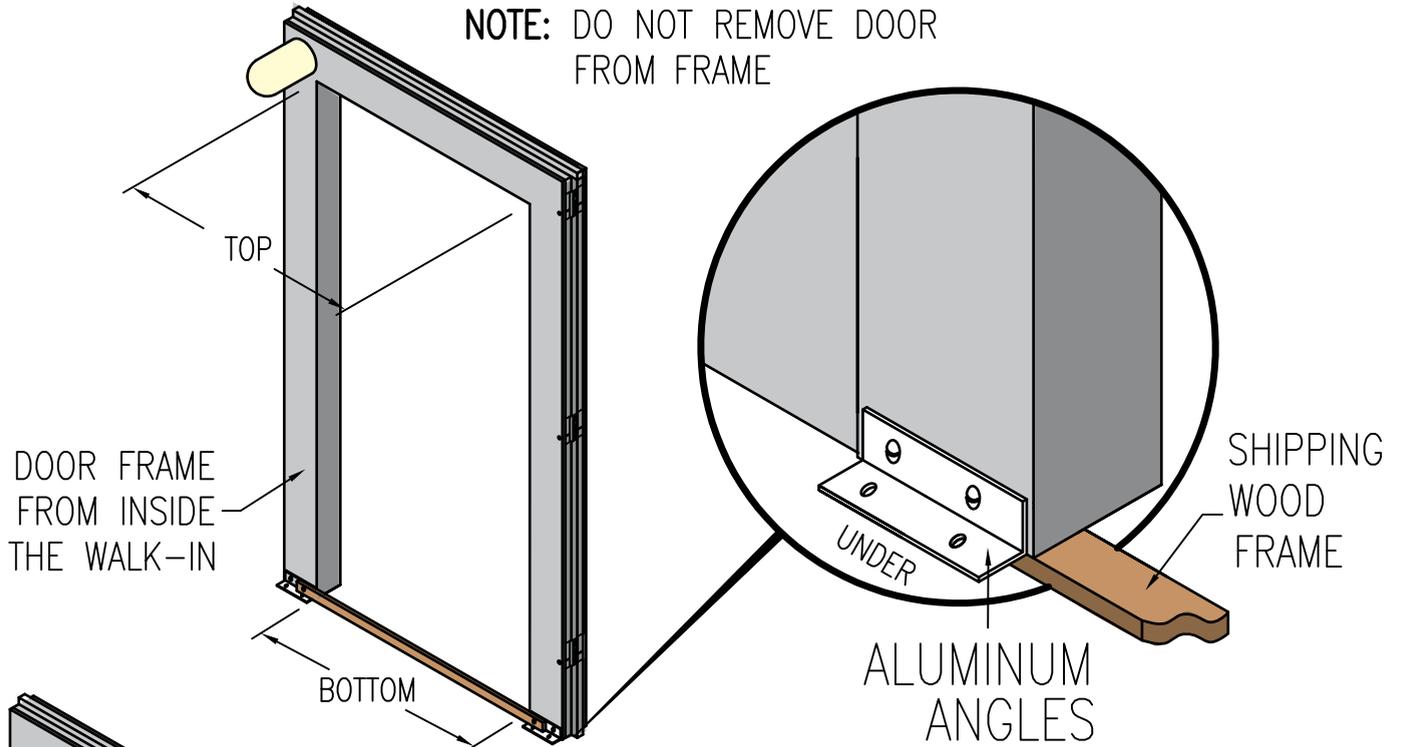
10. Seal both the inside and outside edges of the wall panels with silicone.

VINYL SCREED / WALL PANEL ASSEMBLY DETAIL (FIGURE #2)



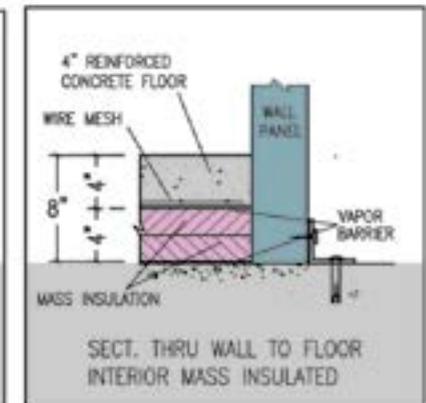
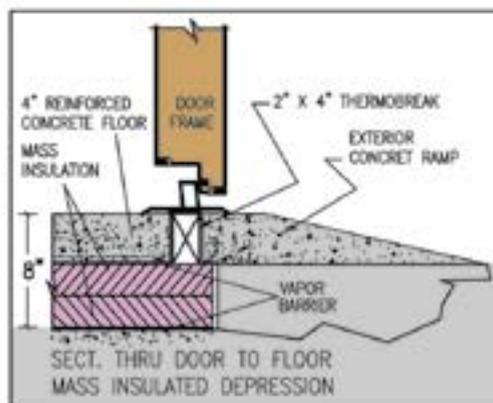
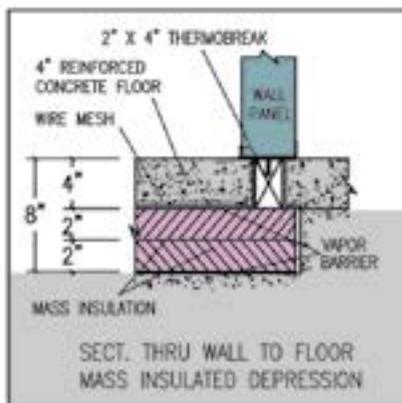
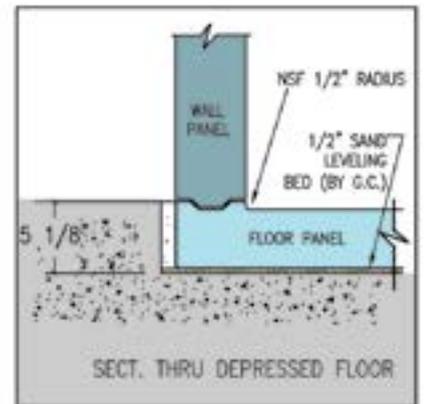
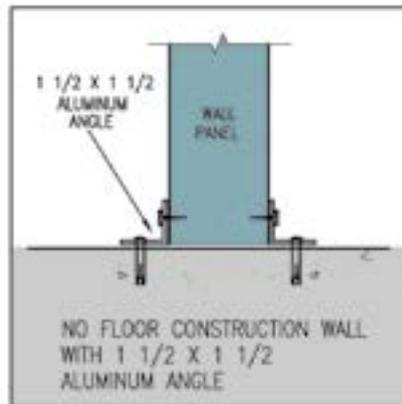
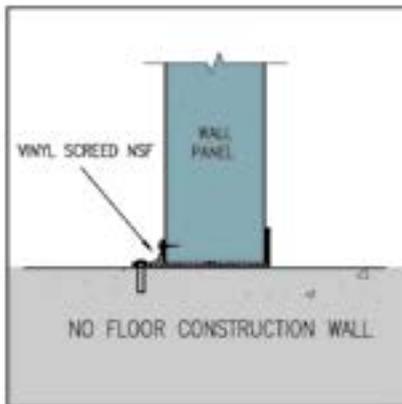
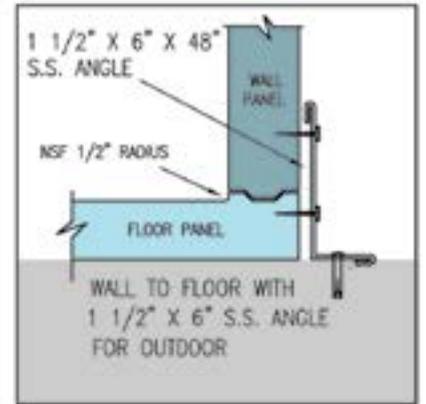
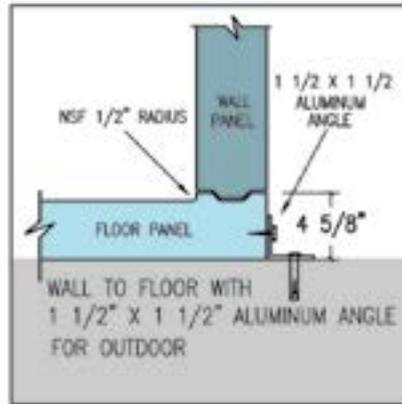
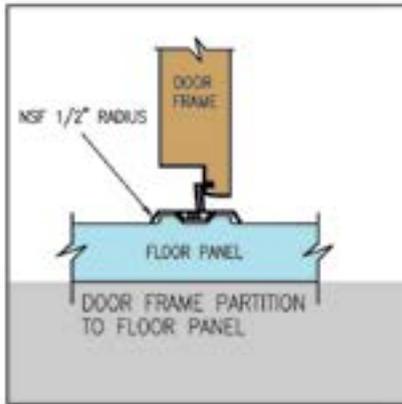
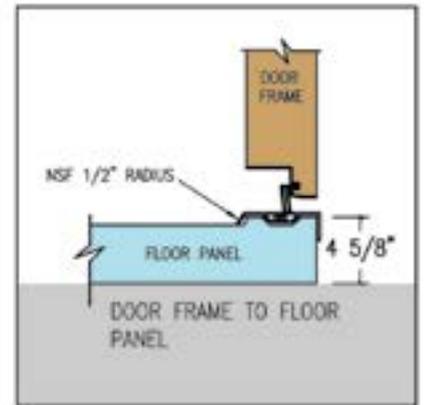
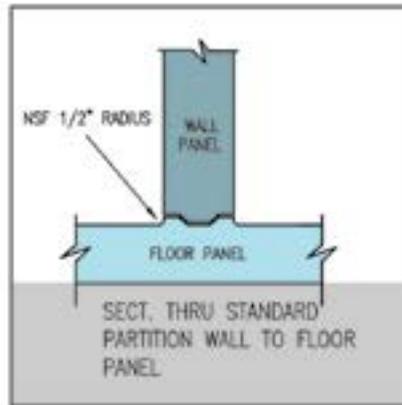
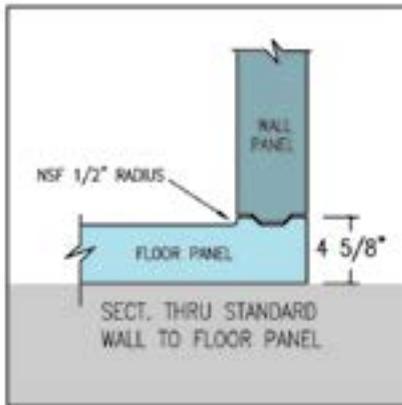
DOOR INSTALLATION OVER CEMENT/TILE FLOOR

NOTE: DO NOT REMOVE DOOR FROM FRAME



1. Remove wood frame before door frame is installed
2. Measure the top and bottom of the door opening to make sure both measurements are equal.
3. If the measurements are different, unfasten the cam-locks of the panels and on top, left and right of the door frame. Make necessary adjustments by pushing out the frame legs enough so that when you close the door it does not fit the frame and closes correctly. Then, secure the door frame to the adjacent wall panels on each side.
4. Lastly, once the door frame's top and bottom measurements are equal and the door closes correctly, secure door frame's position to floor using aluminum angles.

SECTION CONSTRUCTION DETAILS



NOTE: Will vary depending by job and conditions

Frequently Asked Questions

Is shipping included in pricing?

AWIC offers both FOB and shipping Included options for orders placed. Customers will work with our in-house Logistic Department to arrange delivery timeframe. Please note that all dates and times are approximate with a 4-hour window. Once a shipment leaves the manufacturing facility, customer will interface directly with freight carrier to manage the arrival time personally insuring communication with dispatch and/or the driver.

Do I need an insulated floor?

Location, usage, temperature and weather are among determining factors. Discuss with your sales rep details on your project to determine if an insulated floor is needed.

Where are you located?

Our corporate headquarters is in Tucson, AZ but we have multiple manufacturing facilities located throughout the United States.

Will delivering driver offload equipment/pallets from truck?

No, drivers do not offload trucks. It is the customer's responsibility to have laborers and/or installers on site to offload.

Where do I call for replacement parts (warranty or no warranty)?

Call AWIC at 800-430-4468. Please have your order number available to streamline the process.

When will my standard or rush walk-in order be ready once placed?

In general, depending on the size of the order, WIB panels can be ready to ship within 21 days from approved shop drawing and cleared deposit payment date. Rush orders require payment in full and can take between 3 to 12 business days depending on the size and complexity of the order.

What is a tile allowance?

Tile allowance is the clearance requirement underneath the walk-in box (WIB) service door. If the door opens into an area that is tiled you will need to allow for tile allowance which is generally $\frac{3}{4}$ " space under the door to provide clearance when opening/closing. Speak to your Sales Rep to insure proper tile allowance is added.

How much space do I need around a walk-in box?

Typically, a 2" air gap is required around the WIB, AWIC provides metal trim with all orders to seal air gap spacing.

How much space do I need above self-contained/top-mount refrigeration unit?

It is recommended to have 36" clearance above the WIB to allow for equipment servicing the units and for air circulation.

Do I lose ceiling height inside the walk-in if I add an insulated floor?

Yes, you do. If your box is 8' / 96" tall O.D (outer dimension) this

means the I.D (interior dimension) minus the 4" thickness of the ceiling panel makes the interior dimension 7'-8" / 92". By adding an insulated floor, which is 4.75" thick, you will further reduce the interior by this amount; to maintain interior height have your sale rep increase the overall height of the WIB to compensate.

What are the standard sizes?

Our E Series panels offer over 150 different standard sizes of coolers and freezers to choose ranging in heights from 7' tall to 20' tall. The configuration and possibilities are endless.

What refrigeration brands manufacturers do you supply?

We are the original equipment manufacturer (OEM) for Russell Refrigeration Equipment (HTPG) and offer Heatcraft Refrigeration Equipment (BOHN and Larkin).

Can entrance door be moved/exchanged to different location?

Yes, if the dimensions match on both pieces, the entrance door can be move to a different side and location.

Can an outdoor walk-in box sit directly on asphalt driveway?

Placing a WIB on asphalt can be done but not recommended and customer assumes all responsibility. It is recommended that all WIB be placed on a 4" thick smooth level cement slab. For a freezer it is recommended that our insulated floor be added. In some cases, customer can opt to supply an insulated cement slab to place the freezer on allowing for use of forklifts or pallet jacks. It is a viable method for an insulated freezer floor and used frequently in commercial application.

In the event of damage occurs during shipping, what do I do?

Damage is rare but we know things can happen, it is imperative that your delivery be thoroughly inspected at time of arrival. Notate on the Bill of Lading (BOL) any damage and have the driver sign an acknowledgment prior to accepting the order and letting them leave. Submit copy of BOL along with photos to your sales rep. AWIC will expedite replacement of the damaged piece.

What Financing or Lease options do you offer?

AWIC does offer financing and equipment leasing programs tailored to meet the needs of your company thereby reducing the use of operating capital. Application submission and approval required.

Do you sell used panels and refrigeration equipment?

American Walk In Coolers does not get involved in the exchange of used panels and refrigeration systems. This is a huge mistake that many customers make shopping used mismatched walk-in boxes. Our panels are manufactured to order and exceed the DOE requirements. We also have EISA Compliance: All walk-in panels manufactured are compliant with the Federal Energy Independence & Security Act of 2007 (public law 110-140) Title III; section 312, regarding walk-in coolers and freezers.

20-YEAR LIMITED WARRANTY

Solutions

Our team of experienced professionals know that your cold storage needs vary from one application to another. Our qualified draftsmen will work with you to design a “tailored fit” Walk-in cooler, freezer or food service equipment package using the latest state of the art software.

Warranty

All panels are free from defects in both material and craftsmanship under normal conditions of use and operation for 15 years. At the manufacturer's discretion, any panel that is deemed defective within (15) years from the original date of purchase will be replaced FOB factory. All hardware used will carry a standard (1) year warranty. Refrigeration equipment carries a (1) year warranty on compressors and (1) year on components installed by a certified refrigeration contractor. This warranty does not include labor charges.

American Walk In Coolers warrants to the original purchaser that its foamed-in-place polyurethane and XPS extruded polystyrene wall & ceiling panels purchased from AWIC for indoor walk-ins only, free from defects in material and workmanship for a period of twenty (20) years from the date of original shipment under conditions of normal use and service at the original installation site. This warranty is non-transferable.

Optional Extended Warranties

American Walk In Coolers also offers extended parts and labor warranty plans, upon request.

Doors

American Walk In Coolers warranty its insulated doors, exclusive of hardware and accessories to be free of defects in materials and workmanship for a period of (5) years from date of shipment, FOB factory. This warranty does not include transportation costs to and from, nor the cost of removing the defective door or reinstalling the replacement door. American Walk In Coolers' obligations under this warranty is for replacement materials only. If the door fails because of these conditions, the door must be returned to the factory for inspection before warranty will be considered.

Exclusive Warranty/ Remedy

This written warranty is the only warranty provided by American Walk In Coolers on the products it manufactures. American Walk In Coolers expressly disclaims and makes no warranties, express or implied, as to the condition, design, utility, quality, adequacy, or capacity with respect to any standard or non-standard product, including, without limitation, any warranty of merchantability or fitness of such product for a particular purpose or intended use. The obligation of American Walk In Coolers under this warranty shall be limited to repairing or replacing, at the sole discretion of American Walk In Coolers, the panels that prove to be defective within twenty (20) years from the date of purchase, FOB factory. This warranty does not include transportation costs to and from, nor the cost of removing the defective panel or reinstalling the replacement panel. In no event shall American Walk In Coolers be liable for loss of use, revenue or profit or for any other indirect, incidental, special, or consequential damages including, but not limited to, food

spoilage or product loss, arising from the sale, use or installation of the panels or from any other cause whatsoever.

This warranty is in lieu of all other warranties expressed or implied and does not apply to equipment which has been subject to any accident, alteration, abuse, misuse, alterations by unauthorized service, improper installation or installation by an unlicensed contractor.

Voidability of Warranty

This warranty is void if any of the following events occur:

- The panels are not installed within 90 days of original shipment
- The panels are left outside in the elements
- The panels are not installed by a licensed contractor

Voidability/ Exclusions from Warranty Coverage

- Labor, mileage or other costs incurred for repairing, removing, installing, shipping, servicing, or handling of defective or replacement panels or parts.
- Normal maintenance or repairs
- Damage or delays occurring in transit
- Damage or loss of product, property, income or profit
- Floor panels subjected to wet mopping, water leak, pallet jacks or weights exceeding 700 lbs/ sq ft
- Refrigerant loss
- Damage by fire, flood, earthquake, natural disasters, or any act of God
- Panels/doors subject to accident, alteration, abuse, misuse, alterations by unauthorized service, improper installation or installation by an unlicensed or inexperienced contractor.

Hardware & Accessories

All hardware and accessories carry a standard (1) one-year parts warranty. This standard warranty does not include any labor charges or freight costs for repair or replacement of defective parts.

Vendor Notes: Glass doors warranty; refer to glass door company website for warranty coverage

- Refrigeration equipment warranty; refer to refrigeration company website for coverage

Customer Responsibility

In the event you experience a problem, you must notify our warranty/customer service department and follow the instructions to start a warranty claim.

Submitting a Claim

1. Contact warranty/customer service 800-430-4468 or e-mail: warranty@americanwalkincoolers.com
2. Provide American Walk In Coolers with job number, your purchase order number, installation address, and contact information
3. Provide a description of the problem and if any diagnosis has been performed
4. If it is warranty claim, American Walk In Coolers will provide a warranty claim number

AWIC/Trinity Warranty Solutions



Trinity National Accounts provides innovative solutions to our customers with multiple store locations to help manage their HVAC/R and plumbing assets. We offer on-demand dispatch Services to relieve your store personnel from searching for a qualified, insured contractor to repair your equipment. We even phone fix around 10% of the calls, which equates to a free service call! Our preventive maintenance scheduling helps keep your equipment in good working condition, which can reduce equipment down-time and provide increased energy savings. These programs save you time and money and let you focus on your business, while we focus on your equipment. We provide a level of dependability you won't find anywhere else.

Facility Management Services

AWIC offers "Trinity ESAs" to lengthen the manufacturer's warranty on expensive refrigeration equipment, and protect against unexpected and costly repairs. We have dedicated our business to offering you the best level of protection available. We offer unmatched coverage for all American Walk In Coolers orders, providing piece of mind knowing that your investment is covered in the event of an equipment failure.

Extended Service Agreements

American Walk in Coolers is an industry leader in the manufacturing of walk in coolers, freezers and warehouse cold storage nationwide. AWIC has partnered with Trinity Warranty, an industry leader of Extended Service Agreement (ESA) provider for

equipment in the heating, ventilating, air conditioning, refrigeration (HVAC/R) plumbing, and electrical industries. We offer On-Demand Dispatch and Preventive Maintenance programs.

Sample Labor Rates

- Regular rates 6 a.m. – 4 p.m. Monday – Friday. Service call fee \$65. Labor \$116 per hour + parts (1-hour minimum)
- Overtime after 4 p.m. & Saturday. Service call fee \$174
- Overtime Sunday. Service call fee \$232

As you can see service and repair cost can add up quickly, take a minute and talk to your sales person about our AWIC / Trinity ESA Labor Warranty Programs.

In the manufacture of walk-in coolers, freezers and warehouse cold storage nationwide. AWIC has partnered with Trinity Warranty, an industry leader of Extended Service Agreement (ESA) provider for equipment in the heating, ventilating, air conditioning, refrigeration (HVAC/R) plumbing, and electrical industries. We offer On-Demand Dispatch and Preventive Maintenance programs. AWIC offers "Trinity ESAs" to lengthen the manufacturer's warranty on expensive refrigeration equipment, and protect against unexpected and costly repairs. We have dedicated our business to offering you the best level of protection available. We offer unmatched coverage for all American Walk in Coolers orders, providing piece of mind knowing that your investment is covered in the event of an equipment failure.

For more information, call 800.430.4468

Satisfied Customers of American Walk-In Coolers



“★★★★★”

But don't take OUR word for it.

“I was just thinking about you as I walk through my beautiful cooler! It is absolutely stunning. I am certainly the envy of all the restaurateurs who have toured my facility.” -- Bob

“Thank you for making this whole process, from beginning to end, a pleasure and enjoyable. Your customer service has been impeccable and always ready with the answer or appropriate suggestions.”
--- Cliff

“I want to let you know that we were able to meet our construction deadline and re-open on time (yesterday). I sincerely appreciate the urgency with which you worked, and look forward to doing business with American in the future... hopefully with a longer lead time.”
--- Justin

“Initially I was a little apprehensive about ordering a piece of equipment like this online but things have gone much smoother than I thought they would. You were a great help through the process. Thank you!” --- George

“Since we had a difficult custom design, many changes and corrections occurred. (Our representative) orchestrated our special needs with your engineering department to produce a perfect fit! Kudos to your company to providing superior customer service and quality product! Job well done!” --- Bob D.

“From the moment we requested a quote to delivery of our walk in cooler, (Our representative) was friendly, helpful, professional and accommodated all of our requests seamlessly. We are so happy with the results, both aesthetically and functionally, of our AWIC and will be highly recommending your company, sales and services.” --- Sher